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2853
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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Kenji TSUKADA, et al.

Appln. No.: 10/031,408

Confirmation No.: 2132

Filed: January 18, 2002

Docket No: Q68137

Group Art Unit: 2853

Examiner: Leonard S. Liang

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For: INK CONSUMPTION DETECTING METHOD, AND INK JET RECORDING APPARATUS

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

10/01/2003 WROCHA1 00000018 10031408

Sir:

01-FC:1886

180.00 OP

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed (without a Statement Under 37 C.F.R. § 1.97(e)) after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore a check for the fee of \$180.00 under 37 C.F.R. § 1.17(p) is attached.

10/01/2003 WROCHA1 00000018 10031408

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INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 10/031,408

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant is submitting an English Abstract for each of the listed foreign language documents.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

23373

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Date: September 29, 2003

Substitute for Form 1449 A & B/PTO

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

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of

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Application Number	10/031,408
Confirmation Number	2132
Filing Date	January 18, 2002
First Named Inventor	Kenji TSUKADA
Art Unit	2853
Examiner Name	Leonard S. Liang
Attorney Docket Number	Q68137

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 4,329,875		05/18/1982	Nolting et al.
		US 4,703,652		11/03/1987	Itoh et al.
		US 6,089,686		07/18/2000	Thornton et al.
		US 3,110,890		11/12/1963	V.C. Westcott et al.
		US 4,008,612		02/22/1977	Nagaoka et al.
		US 3,889,247		06/10/1975	Voll
		US 4,984,457		01/15/1991	Morris
		US 5,697,248		12/16/1997	Brown
		US 5,473,353		12/05/1995	Soucemarianadin et al.
		US 5,586,085		12/17/1996	Lichte
		US 5,737,963		04/14/1998	Eckert et al.
		US 6,470,744		10/29/2002	Usui et al.
		US 4,984,449		01/15/1991	Caldwell et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		EP	0 803 364	A3	06/10/1998		
		FR	2 572 519	A1	05/02/1999		Abstract
		EP	0 853 236 A1		07/15/1998	SMITHS INDUSTRIES PLC	
		EP	0 684 136	A2 & A3	11/29/1995		
		JP	04135862		05/11/1992	Seikosha Co. Ltd.	Abstract
		WO	99/42293		08/26/1999	Minnesota Mining & Manufacturing Co.	
		EP	0 660 092		06/28/1995	Canon Inc.	
		EP	0 553 535		08/4/1993	Seiko Epson Corporation	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Patent Abstracts of Japan, JP 11 020162 (Fuji Xerox Co. Ltd.) Published on January 26, 1999	Abstract
		PATENT ABSTRACTS OF JAPAN, vol. 1995, no. 08, 29 September 1995 & JP 07 137276 A (Canon Inc.) 30 May 1995 abstract	Abstract
		PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05, 30 April 1998 & JP 10 026549 A, 27 January 1998 abstract	Abstract
		PATENT ABSTRACTS OF JAPAN vol. 2000, no. 14, 5 March 2001 & JP 2000 318183 A (Sony Corp.), 21 November 2000 abstract	Abstract
		Patent Abstracts of Japan, 02034353, vol. 014, no. 186	Abstract

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				Attorney Docket Number	Q68137
Sheet	2	of	3		

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		Number	Kind Code ² (if known)		
		US 5,975,102		11/02/1999	SCHALK
		US 5,689,288		11/18/1997	WIMMER et al.
		US 6,044,694		06/04/2000	ANDERSON et al.
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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		WO	98/31548		07/23/1998	Hewlett-Packard Company	
		JP	63247047		10/13/1988	Canon Inc.	Abstract
		GB	2 304 898		03/26/1997	The Whitaker Corporation	
		WO	98/09139		03/05/1998	The General Electric Company	
		EP	0 873 873		10/28/1998	Hewlett-Packard Company	
		JP	06297726		10/25/1994	Canon Inc.	Abstract
		JP	62-95225		05/01/1987	Canon Inc.	Abstract
		EP	0 676 624		10/11/1995	Simmonds Precision Products Inc.	
		EP	1 088 668		04/04/2001	Hewlett-Packard Company	

NON PATENT LITERATURE DOCUMENTS			
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		Patent Abstracts of Japan, 07081290, vol. 1995, no. 06	
		US 2002/0105555, published 8/8/2002 to Tsukada et al.	
		US 2002/0015084, published 2/7/2002 to Tsukada et al.	
		US 2002/0012015, published 1/31/2002 to Tsukada et al.	

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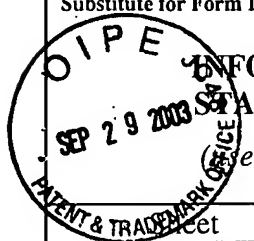
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		Number	Kind Code ² (if known)		
		US 4,811,595		03/14/1989	Marciniak et al.
		US 4,770,038		09/13/1988	Zuckerwar et al.
		US 5,353,631		10/11/1994	Woringer et al.
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		US 3,832,900		09/03/1974	Ross
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		US 4,419,677		12/06/1983	Kasugayama et al.
		US 4,796,782		01/10/1989	Wales et al.
		US 6,012,793		01/11/2000	Haigo
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		US 4,853,718		08/01/1989	El Hatem et al.
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		US 5,583,544		12/10/1996	Stamer et al.
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		US 5,675,367		10/07/1997	Scheffelin et al.

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